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wherein said DNA molecule is taken up by a macrophage cells and/or a cells of macrophage derived lineage where said nucleotide sequence is expressed to produce said desired protein in said macrophage cells and/or said cells of macrophage derived lineage.

30. (New) The method of claim 25 wherein said promoter is a macrophage specific promoter.

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31. (New) The method of claim 25 wherein said DNA molecule is a plasmid.

In the Specification:

Please insert the following section heading and paragraph on page 1 before the first paragraph:

Cross Reference to related applications:

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The present application is the national phase of PCT application PCT/US/99/13267, filed June 11, 1999, which claims priority to the U.S. provisional application Serial No: 60/088,980, filed June 11, 1998.

Please insert the following abstract:

Abstract

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Methods of delivering a protein to a macrophage cell and/or a cell of macrophage derived lineage of an individual are disclosed. The method comprises the step of administering to the individual at a site on the individual's body, a DNA molecule that comprises a nucleotide sequence that encodes the protein linked to a promoter that is functional in a macrophage cell and/or a cell of macrophage derived lineage and a polyadenylation signal that is functional in a macrophage cell and/or a cell of macrophage derived lineage. Methods of delivering proteins to lymphnodes of an individual are also disclosed. Methods of inducing an immune response against an immunogen in an individual are disclosed. Methods of modulating an individual's immune system are also disclosed.